

2. (Amended) The screw set for a twin-screw extruder according to Claim 1, each said screw set further comprising:

~~AB~~
B2 a kneading disk segment comprising at least one kneading disk, said kneading disk segment, except for crest portions of disk blades thereof, having the same sectional shape as said rotor segment, except for the crest portions of said kneading blades.

3. (Amended) The screw set for a twin-screw extruder according to Claim 2, wherein all of said kneading disks have the same sectional shape as said rotor segment, except for the crest portions of said kneading blades.

Cancel Claim 4.

Add the following claims:

10. (New) A twin-screw extruder for mixing and dispersing a material to be kneaded into a kneaded product having a desired state of kneading, said extruder comprising:

a barrel having two intercommunicating chambers; and

~~AB~~
B2 a screw set rotatably mounted in each of said chambers so as to mesh with one another, each of said screw sets comprising:

a rotor segment comprising at least one kneading rotor, said kneading rotor having a plurality of kneading blades which provide a plurality of tip clearances different from each other at least in the circumferential direction, said kneading rotor having a constant sectional shape in the axial direction, except for crest portions of said kneading blades; and

a screw segment comprising at least one screw blade, said screw segment, except for crest portions of the screw blades thereof, having the same sectional shape as said rotor segment, except for the crest portions of said kneading blades.